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## Service Instruction Letter

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**Document Number:** SIL-2020-10

**Date:** 2020-JUL-24

**Revision:** N/C

**Affected Models:**

Aircraft	Part Description	STC	P/Ns	S/N
BELL 412	Bell 412 Electrical Float Switch		624.3301	All
BELL 412	Bell 412 Emergency Float Kit	SR01779LA	614.7601 614.7602 614.7607 614.7608 614.7609 614.7610 614.7611	All

**NOTE:** This Service Instruction Letter is sent to the operators of record for the model aircraft as shown above. If an aircraft has been leased or sold, please send this Service Instruction Letter to the new operator.



SUBJECT:  
SERVICE INSTRUCTION LETTER  
REFERENCE DOCUMENT:  
II412-41, ICA412-41

DOCUMENT NO:  
SIL-2020-10  
Rev. N/C  
2020-JUL-24

## LOG OF REVISIONS

Rev	Date	Pages	Description	Approval
N/C	2020-JUL-24	All	Initial Release	J. Gardiner 



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## SAFETY SUMMARY

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### GENERAL PRECAUTIONS

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Personal Protective Equipment (PPE) shall be worn when exposed to flying particles, liquid chemicals, or other potential hazards to the skin, eyes, ears, or respiratory system.

Ensure that the work area is free from dirt and foreign matter and contaminants that could otherwise damage functionality.

Failure to comply with or deviate from the procedure may negatively affect the equipment. It is the operator's responsibility to comply with these procedures.

### DEFINITIONS

**WARNING:** THIS INDICATES INFORMATION THAT, IF NOT FOLLOWED, COULD RESULT IN PERSONAL INJURY, DEATH, OR LONG-TERM HEALTH CONDITIONS.

**CAUTION:** THIS INDICATES INFORMATION THAT, IF NOT FOLLOWED, MAY RESULT IN DAMAGE TO OR DESTRUCTION OF EQUIPMENT, OR THE LOSS OF MISSION EFFECTIVENESS.

**NOTE:** This indicates information that aids in understanding or provides additional detail on the methods of a procedure.



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- A. SUBJECT:** Lack of clarity in the wiring diagram for Bell 412 Electrical Float Switch P/N 624.3301 in relation to the Bell 412 Emergency Float System installation for standard Bell 412 aircraft.
- B. BACKGROUND:** Bell 412 Installation Instructions II412-41 and Instructions for Continued Airworthiness ICA412-41 do not provide consistent data to the customer regarding the installation of the Bell 412 Electrical Float Switch wiring, P/N 624.3301. Furthermore, the schematic provided in II412-41 has various minor errors.
- C. ACTION:** This Service Instruction Letter (SIL) provides a clear wiring diagram of the Bell 412 Automatic Float Switch P/N 624.3301. Operators shall refer to the wiring schematic provided in the Accomplishment Instructions to complete the wiring installation.
- D. COMPLIANCE:** The installer may complete this Service Instruction Letter at their earliest convenience.
- E. MANPOWER:** Maintenance-Man-Hours are based on hands-on time and can change per facility and availability of qualified personnel. DART estimates that compliance with this SIL will not require any additional man hours.
- F. WEIGHT & BALANCE:** Weight and Balance is not affected by this Service Instruction Letter.
- G. PUBLICATIONS AFFECTED:** II412-41, ICA412-41
- H. APPLICABLE APPROVALS:** SR01779LA

## ACCOMPLISHMENT INSTRUCTIONS

### 1.0 Revised Wiring Diagram

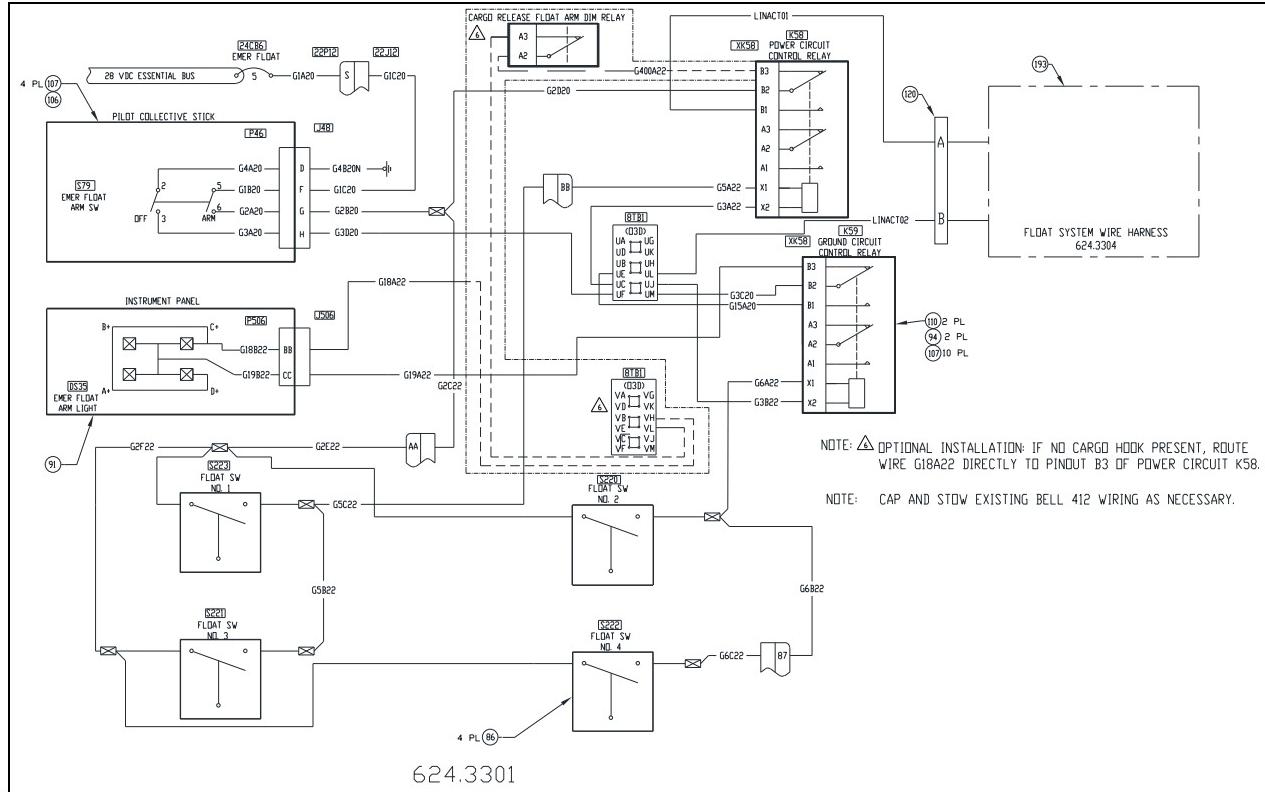


Figure 1



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## 2.0 GENERAL

Report aircraft Registration Number(s) to Dart Aerospace Customer Support via email:  
[support@dartaero.com](mailto:support@dartaero.com).

Customer	Aircraft Model	Aircraft Serial Number	Aircraft Tail Number	Kit P/N	Kit Serial Number

For continued airworthiness support, please contact the DART Technical Support Team by email at [support@dartaero.com](mailto:support@dartaero.com) or through the DART Aerospace website ([www.dartaerospace.com](http://www.dartaerospace.com)).